Rockwell ExHIST

Company Proprietary

DBS Aviation Data Channel Concept

Advanced Technology Center Internet ATD Demonstration Low Noise

Ampliflers

PACE 36/40 * RCVD AT 7/12/2007 6:29:29 PM [Eastern Daylight Time] * 2VR:USPTO-EFXRF-5/12 * DNIS:2738300 * CSID:319 295 3599 * DURATION (mm-ss):1042

Ku-band satelille

commercial

pointed at!

Multi-regiona dish antenna

Demonstrated Operational

broadcast speeds from 1 to 27.5 Mbps coming soon Interactive Internet Data, and/ or Dedicated Custom High-Speed Data 19.2 - 56 kbps NOW, Commercial

> requires back-channed) Interactive Internet Browsing the Web using Standard PC Laptop True

(no back-channel rqd.) MS Internet Explorer PC Laptop or server capturing dedicated Dedicated High-**创新和公** Speed Data Zhifooi

data.

WSI-Litton Weather · "Aviation Express" Radar maps Stocks

Comfex Press Releases Sports

Ruggedized COTS with data interface entitled receiver decoder unit

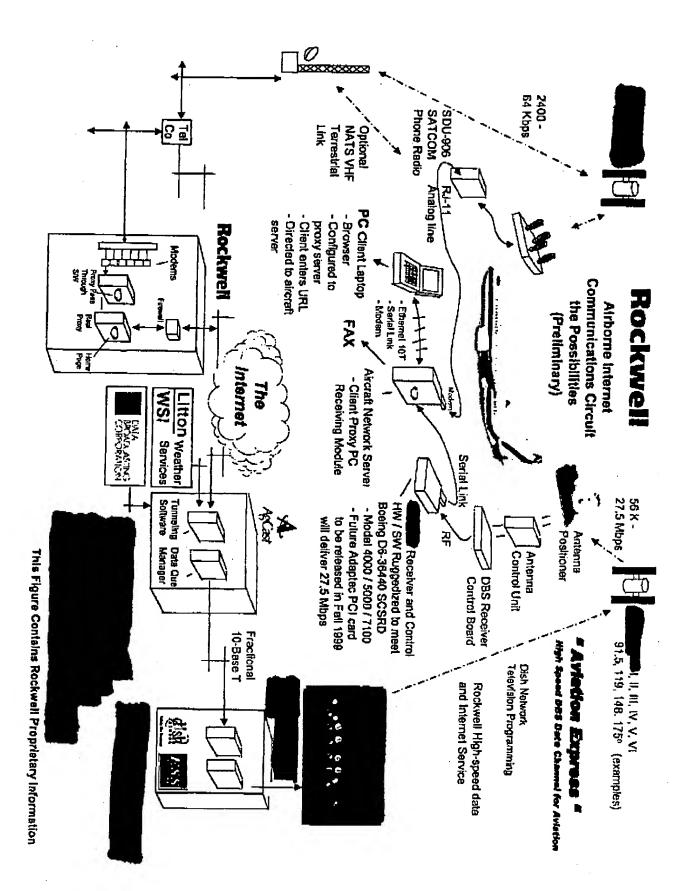


Passenger Systems 7- channel MRDU Card fits into

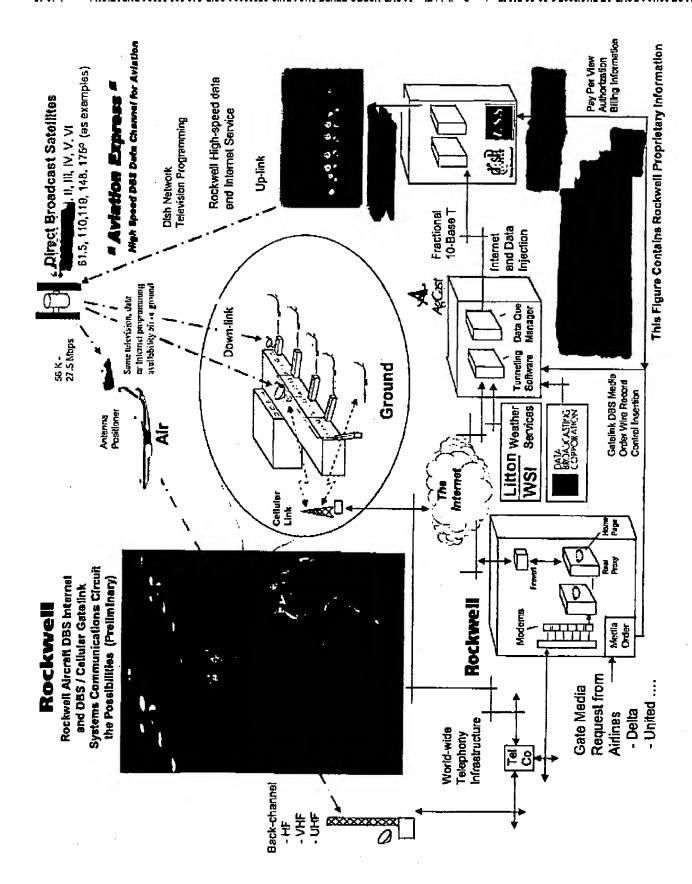
> - client High-Speed ir Channel 552 delivers our custom Internet capability / data via PC and up-link communications software developed by data Network (

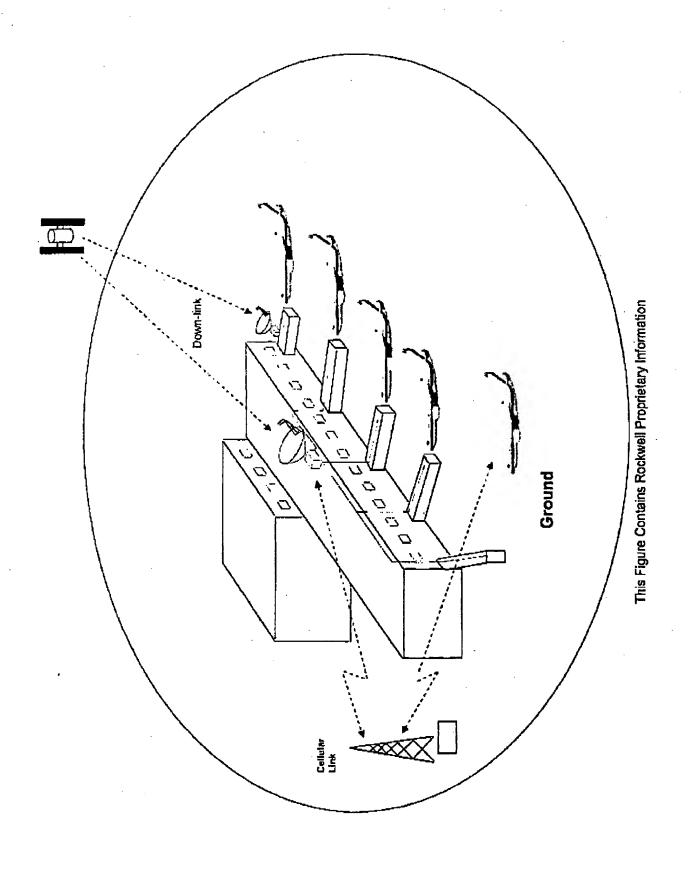
This Figure Contains Rockwell Proprietary Information



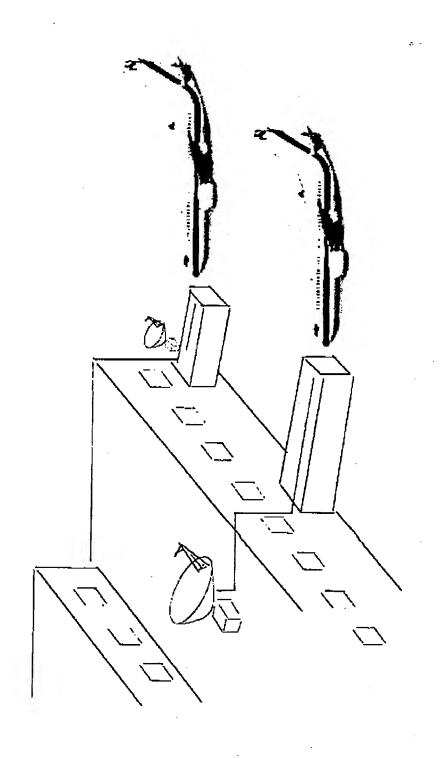


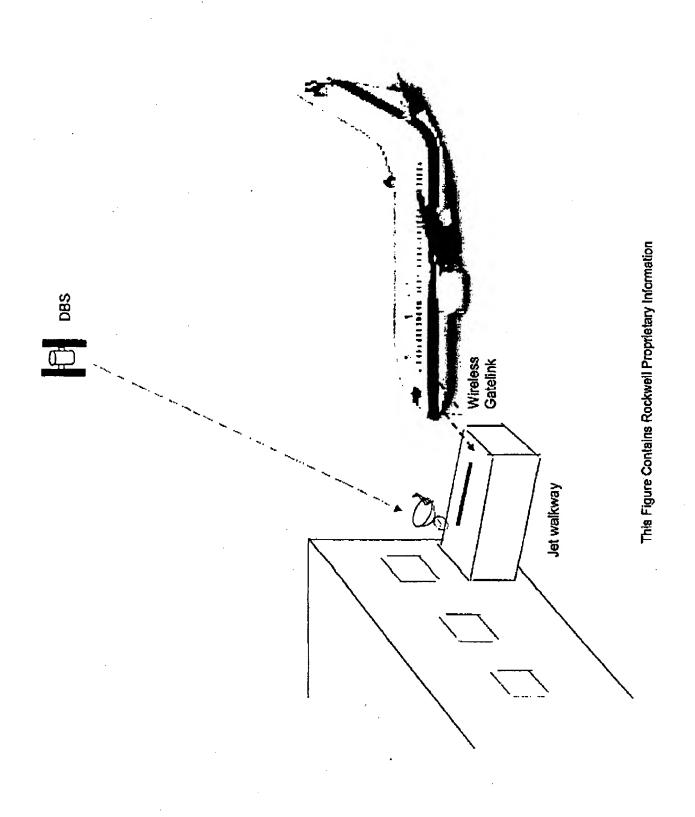
PACE 26/40 * RCVD AT 7/12/2007 6:29:29 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-5/12 * DNIS:2738300 * CSID:319 299 * DURATION (mm-ss):10-42

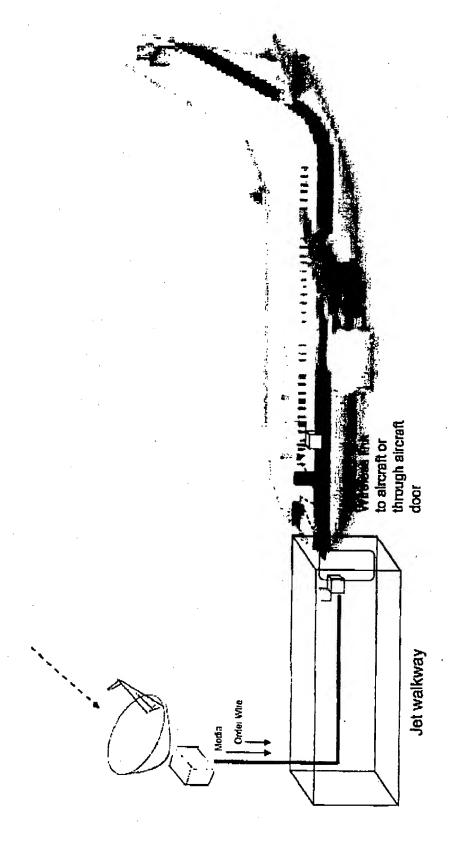


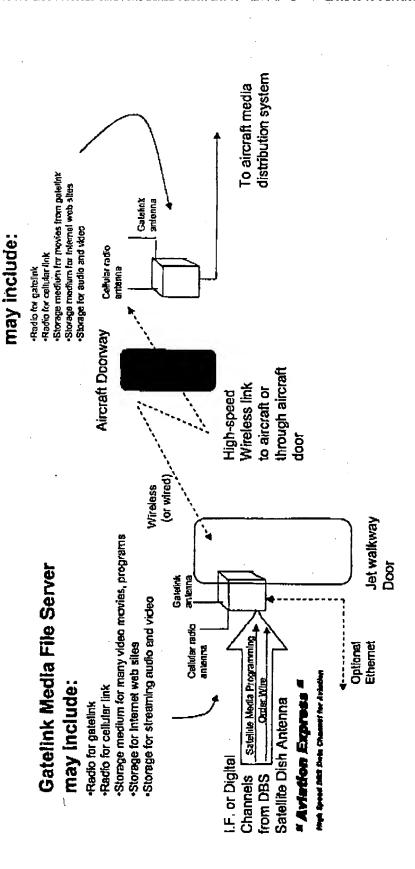






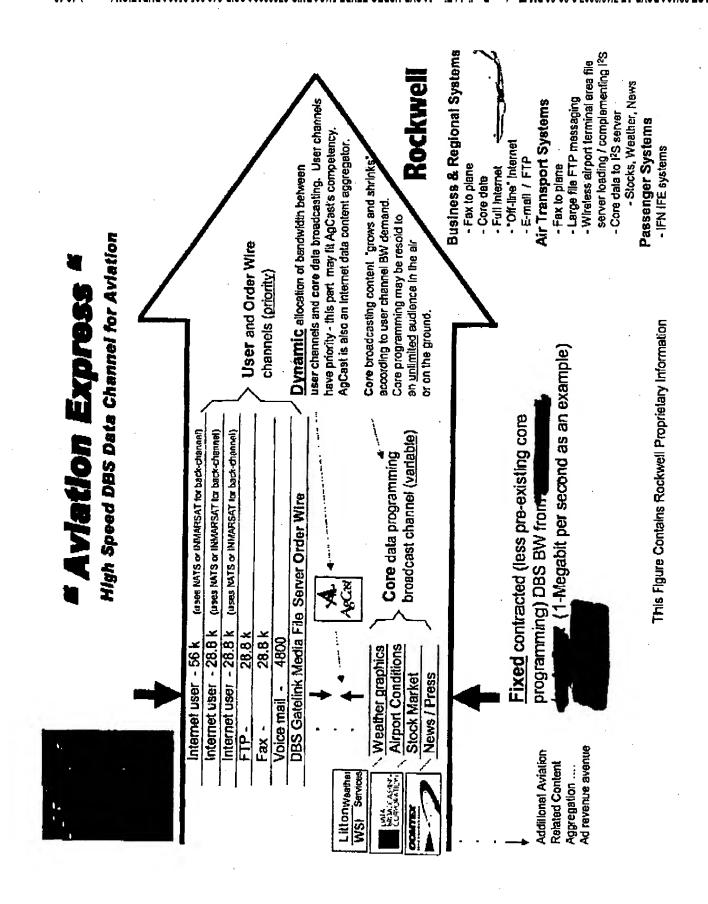






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Aircraft Gatelink Media File Server



Gatelink Media File Server may include:

Radio for cellular link Radio for gatelink

Modern connection to Ethernet (optional)

Siorage medium for many video movies, programs

Storage for Internet web sites

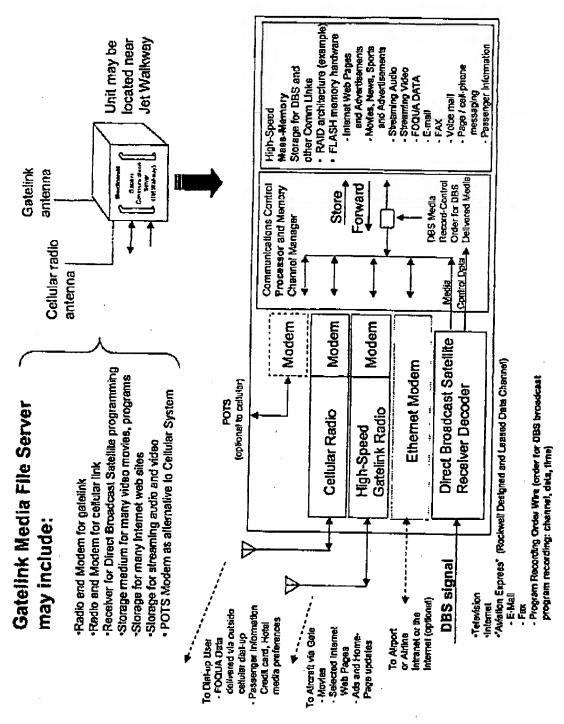
Unit may be located within jet-walkway or in airport terminal Storage for streaming audio and video

or with DBS antenna

Aircraft Door Opening Jet walkway Gatelink antenna Cellular radio antenna Airline Ethernet Antenna for high-speed wireless gatelink ideally located Intra/Internet) Connection to Optional at jet walkway door Programming and data Aviation Exprass from DBS Satellite Rockwell Ware Speed DBG Date Chase Dish Antenna

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Door Opening



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